

Ultra Gear Syn 680/1000

**High Performance Hydro Carbon Base
Synthetic Gear and Bearing Lubricant**

Benefits :

- Formulated from high viscosity Synthetic Hydro Carbon (PAO) base stock.
- High load carrying capacity, anti-wear and EP properties.
- Thermal and oxidation resistant at high temperatures.
- High viscosity index ensures adequate film thickness at elevated temperatures.
- Reduce friction in various mechanical operations, good potential in reducing power consumption.
- Chosen additives provide excellent rust and corrosion protection.
- Good water demulsibility, air trapment release and foam control.
- Minimize sludge and deposits extending filter life and ensuring trouble free operation.
- Long oil change intervals. Reduced downtime and thereby reduced operating costs.

Applications :

- A long life lubricant for gear boxes.
- Low temperature gear boxes where smooth start-up is desired.
- Mixer bearings and roll neck bearings operating at high temperatures.
- Machines such as marine and other centrifuges, oil flooded rotary screw compressors used in onshore and offshore oil and natural gas industry.
- In textile industry for use such as in Staubli's dobbie for Sulzer, Piccanol air jet weaving looms.
- As a long life lubricant for high ratio worm gear boxes.
- Industries include steel, paper, textile, heavy engineering and many others.

| Characteristics | Method | Unit | Ultra Gear Syn 680 | Ultra Gear Syn 1000 |
|-----------------------------|-------------|--------|--------------------|---------------------|
| Appearance | Visual | - | Clear | Clear |
| Color | Visual | - | Colorless | Colorless |
| Density @ RT | CTM* | g/cc | 0.82+0.05 | 0.85+0.05 |
| Viscosity @ 40°C | ASTM D-445 | cSt | 610-750 | 900-1100 |
| Viscosity Index | ASTM D-2270 | - | 150 | 170 |
| Pour Point | ASTM D-97 | °C | -40 | -28 |
| Four Ball Wear Scar | ASTM D-2266 | mm | 0.40 | 0.30 |
| Copper Strip Corrosion Test | ASTM D-130 | rating | 1b | 1b |

CTM* Corporate Test Method

Note: Ultra Gear Syn 1000 is fully compatible with mineral oil. For best performance it is recommended that systems be thoroughly flushed before changing over to these oils.

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice
This supersedes our previously issued data sheets.

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